

**Landsat-7 Image Assessment System (IAS)
Delta System/Preliminary Design Review**

December 12, 1996

IAS PDR Walkthrough

What this is:

This is an informal walkthru of the IAS System Design and Preliminary Design

It is meant to be a working group style meeting and not a formal review style meeting

Purpose is to review work accomplished during this phase with all team members, solicit feedback and comments

Purpose is to establish an internal IAS baseline for continuation of the IAS Design. The SDS will be updated and sent out for external review/ commenting and then appropriate signatures following this walkthrough

What this is NOT:

This is NOT a formal CCB Review. Our only formal IAS review will be the CDR in March, 1997

RIDS will not be necessary

CCB approval/baseline will be established at above mentioned review

	IAS PDR Walkthrough	
	Documentation Strategy	

- **System Design Specification**
 - Comments on draft discussed today due by January 10
 - Comments will be incorporated into a review version of the document which will be distributed outside the IAS project for a two week review
 - Any comments from the external review will be incorporated into the signature version of the document and baselined.
- **IDD**
 - Comments on draft discussed today due by January 10
 - Comments will be incorporated into next version
 - This is an iterative document that will be baselined after the IAS CDR in March
- **IAS Design Specification**
 - Comments on draft discussed today due by January 10
 - Comments will be incorporated into next version
 - This is an iterative document that will be baselined after the IAS CDR in March

	IAS PDR Walkthrough	
	Schedule Highlights	

- **IAS CDR scheduled for mid-March 1997**
- **Release 1 to System Test 8/1/97**
- **Release 1 completes System Test 9/15/97**
- **Release 2 to System Test 11/30/97**
- **Release 2 completes System Test 1/15/98**
- **IAS Installation at EDC complete 2/15/98**
- **Landsat 7 Launch 5/15/98**
- **Release 3 TBD**

	IAS PDR Walkthrough	
	Road to CDR	

- **Complete definition of hardware architectures**
- **Procure development and operational hardware systems**
- **Complete definition of interfaces (internal and external)**
- **Complete definition of output file formats (GFE)**
- **Complete design**
 - **All structure charts (high and low level are completed)**
 - **PDL to describe high level units, structured English for remaining units**
- **Complete refinement of operational scenarios**
- **Complete COTS package evaluations**
- **Identify and procure COTS packages needed for development**
- **Generate design level operator/analyst user's guide**
- **Identify and complete any necessary prototyping e.g. user/analyst interface**
- **Develop the detailed IAS Build/Release Plan**
- **Develop the IAS System Integration and Test Plan and identify test data requirements**

	IAS PDR Walkthrough	
	Road to CDR (cont)	

- **Complete definitions of any standards and procedures that need to be in place for implementation**
- **Complete system sizing estimations**
- **Complete and baseline definition of radiometry and geometry algorithms (Project Science Office)**
- **Complete prioritization of algorithm implementations**
- **Prototype identified algorithms**

IAS PDR Walkthrough

Road to CDR (cont)

- **Develop documentation for CDR (review versions unless otherwise indicated)**
 - **Detailed Design Specification**
 - **Calibration Parameter File DFCB**
 - **Interface Definition Document**
 - **IAS-LPGS ICD**
 - **IAS System Integration and Test Plan**
 - **IAS Build/Release Plan**